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stances, by instrumental comparisons. The index errors are very constant, and were accurately determined last evening.

	Greenwich M.T.	Comet's R.A.	Comet's Dec.	Weight.
	h m s	° ′ ″	° ′ ″	
March 30	1 23 40	7 32 27	+1 48 42	1
	1 55 8	7 33 56	+1 45 21	2

In the observations for the first position the centre of the field was estimated, and 9 single results are tolerably accordant. The second place depends on one good observation with cross wires, clouds preventing any further comparisons.

"Had the sky been free from the whiteness which is so fatal to vision by daylight, I should have obtained much better places.

"I communicated an ephemeris to Mr. Dawes, who has observed the comet with extreme care, but I do not know at present whether he saw it yesterday in daylight."

Observations of Hind*'s Second Comet.*

BERLIN. (Prof. Encke and Dr. Galle.)

	Berlin M.T.	R.A.	Dec.
	h m s	° ′ ″	° ′ ″
March 16	8 24 7·6	2 22 30·5	+34 30 52·8
17	8 15 45·7	2 55 56·2	32 53 35·0
18	8 12 18·3	3 28 6·1	31 11 47·5
19	8 4 49·9	3 58 14·1	29 25 39·5
22	7 58 36·7	5 19 47·0	+23 34 4·4

BONN. (Prof. Argelander and M. Schmidt.)

	Bonn M.T.	R.A.	Dec.
	h m s	° ′ ″	° ′ ″
Feb. 19	12 53 56·1	339 57 31·4	+62 26 37·0
20	12 25 26·1	341 13 51·8	61 38 1·1
21	9 5 54·6	342 19 30·1	60 54 31·4
23	7 52 11·7	344 40 43·7	59 12 27·2
	10 6 2·7	344 46 43·6	59 7 34·6
24	7 35 58·0	345 48 27·4	58 18 52·5
28	7 39 47·0	350 1 45·5	54 29 48·4
	10 11 5·0	350 7 53·2	54 23 33·1
March 1	8 20 56·2	351 1 46·4	53 27 35·7
5	8 48 14·9	354 37 56·0	+49 8 43·0

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HAMBURG. (M. Rümker.)

Date.		Hamburg M.T.	R.A.	N. Dec.	No. of Obs.
1847.		h m s	° ′ ″	° ′ ″	
Feb.	25	7 46 48·8	346 54 47·2	57 23 46·5	11
March	1	8 3 53·4	351 0 37·8	53 28 52·2	4
	2	7 44 1·5	351 56 6·3	52 27 19·1	7
	3	7 24 29·8	352 50 7·5	51 24 56·2	6
	4	8 34 59·2	353 45 35·8	50 16 55·4	4
	5	8 13 0·6	354 36 16·7	49 10 55·6	12
	9	8 49 8·2	357 47 17·1	44 22 59·5	12
	10	8 6 23·7	358 29 47·2	43 8 24·4	12
	11	7 49 41·3	359 11 43·1	41 50 20·1	17
	14	7 10 49·3	1 9 15·1	37 39 6·3	1
	15	7 41 35·5	1 46 37·4	36 6 49·2	12
	16	8 7 29·6	2 22 27·8	34 31 4·0	9
	17	8 0 46·9	2 55 54·5	32 53 37·5	7
	18	7 49 45·2	3 27 39·2	31 12 16·0	7
	19	7 54 56·0	3 58 22·5	29 25 29·9	7
	20	7 48 37·8	4 54 2·1	25 36 37·4	7
	22	7 47 14·1	5 18 55·0	23 35 43·8	4

MAKERSTOUN. (Sir T. M. Brisbane and Mr. Welsh.)

Makerstoun Sid. Time.		R.A.	N.P.D.	No. of Obs.
1847.	h m s	m s		
Feb. 18	9 10 52	....	Com^{t}.—a = + 1′ 45″	
	9 14 8	Com^{t}.—a = + 10 56·9		
19	5 29 5	b = + 5 32·7	b = + 11 8	
March 8	8 50 32	c = − 2 38·2	c = + 1 42	
	8 35 41	d = + 0 25·31	d = − 2 17·7	10
	9 49 31	e = − 2 29·90	e = + 4 46·3	2
10	7 4 32	f = − 2 57·57	f = + 0 44·9	10
11	6 52 35	g = + 1 32·66	g = + 5 34·2	10
	7 37 40	g = + 1 37·99	g = + 8 6·7	5
15	7 27 46	h = − 3 7·97	h = − 6 31·2	10
18	7 22 51	i = − 8 40·66	i = + 8 1·4	4
19	7 10 35	k = + 5 32·14	k = + 8 58·6	1
	7 16 58	Com^{t}.—l = − 1 21·45	Com^{t}.—l = − 8 44·2	4

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		Mag.	R.A. h m s	N.P.D. ° ′ ″	
a		7	22 23·2	26 42	Approx.
b	7902 B.A.C. 30 Cephei				
c		6·7	23 51·2	44 24	
d		8	23 47·6	44 28	
e		7½	*d*+3 5·67	*d*−3 15·1	
f		8	23 57·0	46 53	
	A star of the 7th mag. follows *f* in		1 18·30, and is	5 46·4 north.	
g	4207 Groomb.				
h	58 B.A.C.				
i		7	0 22·7	58 44	South following of a double star.
k		7	0 10·3	60 27	
l		8	0 17·2	60 45	

"All the differences have been corrected for refraction."

Elements of Hind's Second Comet. By Mr. Hind.

Perihelion Passage, 1847, March 30·26944, G. M. T.

ϖ .... 276° 11′ 50″·2 } Mean Equinox,
☊ .... 21 49 30·6 } 1847.
i .... 48 39 49·2
Log. *q* .... 8·6233972
Motion direct.

By M. d'Arrest.

T ....1847, March 30·313875, Berlin M.T.
ϖ .... 276° 4′ 29″·4 } M. Eq. 1847,0
☊ .... 21 42 26 ·5 }
i .... 48 39 48 ·8
Log. *q* .... 8·6271534
Motion direct.

"The comet being very bright, we hope to see it after the perihelion passage."

By M. Schmidt.

T .... 1847. March 30·323504, Berlin M.T.
ϖ .... 275° 48′ 5″·6
☊ .... 21 29 43 ·7
i .... 48 38 51 ·2
Log. *q* .... 8·6361117
Motion direct.

From the Regent's Park Observation of Feb. 8, and those at Bonn on Feb. 19 and 28. Corrected by Bessel's method.